

## Recombinant Human PEA15

Cat. No. PEA15-30834TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human PEA15; amino acids 1-130 , 15kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-130 a.a.
<b>Description</b>	This gene encodes a death effector domain-containing protein, which is a major phosphoprotein in astrocytes, and an endogenous substrate for protein kinase C. Studies using knockout mice suggest that this protein may protect astrocytes from TNF-induced apoptosis. This protein is also overexpressed in type 2 diabetes mellitus, where it may contribute to insulin resistance in glucose uptake.
<b>Tissue specificity</b>	Ubiquitously expressed. Most abundant in tissues such as heart, brain, muscle and adipose tissue which utilize glucose as an energy source. Lower expression in glucose-producing tissues. Higher levels of expression are found in tissues from individuals wi
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 7.5

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<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	MAEYGTLLQD LTNNITLEDL EQLKSACKED IPSEKSEEIT TGSAWFSFLE SHNKLDKDNL SYIEHIFEIS RRPDLLTMVV DYRTRVLKIS EEDELDTKLT RIPSAKKYKD IIRQPSEEEI IKLAPPPKKA
<b>Sequence Similarities</b>	Contains 1 DED (death effector) domain.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PEA15 phosphoprotein enriched in astrocytes 15 [ Homo sapiens ]
<b>Official Symbol</b>	PEA15
<b>Synonyms</b>	PEA15; phosphoprotein enriched in astrocytes 15; astrocytic phosphoprotein PEA-15; HMAT1; homolog of mouse MAT 1 oncogene; HUMMAT1H; MAT1; MAT1H; PEA 15; PED; Phosphoprotein enriched in astrocytes; 15kD;
<b>Gene ID</b>	8682
<b>mRNA Refseq</b>	NM_003768
<b>Protein Refseq</b>	NP_003759
<b>MIM</b>	603434
<b>Uniprot ID</b>	Q15121

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<b>Chromosome Location</b>	1q21.1
<b>Function</b>	protein binding;

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